# 2010INDEX

### A-C

Afla-Guard, for control of aflatoxin, Sep-8 Air quality

farm and urban pollutants, Aug-10 swine wastewater treatment system improves, Aug-22

Algae dried, as fertilizer, May/Jun-20 faster growth on reformulated media, May/Jun-19 in fish feed. Oct-8

turf scrubbers clean manure effluent, May/Jun-20 Almonds

bee pasturing may provide pollinators for, Aug-20 new self-pollinating variety, Apr-14 replant disease resistance in, Jan-4 Amplose, standardized way to measure in rice, May/Jun-4 Animal germplasm, ARS collections of, Jan-12 Antibiotic breakdown in manure, Feb-22 Antimicrobial Resistance Collection, Jan-11

Antibiotic breakdown in manure, Feb-22 Antimicrobial Resistance Collection, Jan-11 Aphid Biotype and Natural Enemy Collection, Jan-16 Apple replant disease, integrated management of, Mar-16 Apples

coating for sliced, Mar-11
mineral-particle films improve quality of, Mar-23
Muscodor fungus kills codling moth on, Feb-20
Pseudomonas fights replant pathogens, Mar-16
Aquaculture, water-recircularing systems for, Oct-4
ARS Cotton Germplasm Collection, Jan-18
ARS Culture Collection, role of, Jan-10
ARS human nutrition research centers, Mar-2

ARS National Research Programs for Aquaculture, Oct-20 Children's Nutrition, Obesity Prevention, Mar-13 Corn, Sep-17 Genomics and Genetics for Food Security, May/Jun-18

Human Nutrition, Jul-21 Oats and Barley, Feb-17

Systematics and Collections, Jan-19
ARS plant genebanks/collections, Jan-4
Asian citrus psyllid, control of, Nov/Dec-2, 4
Asian lady beetles, nepetalactone from catnip repels, Feb-23
Aspergillus flavus, control of in corn, Sep-2, 8

Australian Biological Control Laboratory, Jan-8 Barley and oat cooperative projects, Feb-2 Barley Coordinated Agricultural Project, Feb-4, 5 Barley

Barley
as bioenergy crop, Feb-2
as winter cover crop in Chesapeake Bay area, Aug-16
bio-oil from byproducts of, Nov/Dec-26
concentrating protein for fish feed, Feb-11
enzyme interactions during germination, Feb-7
genetics of resistance to Fusarium, Feb-4
new breeding lines, Feb-4
reduced mycotoxin production in, Feb-4
screening for stem rust resistance, Feb-8
winter, as feedstock for biofuel/ethanol, Feb-14
Beans, disease resistance, heal tolerance, iron in, May/Jun-8
Bee pastures, wildflowers identified for use in, Aug-20
Beetles, lab identifies foreign, Jan-16
Begonias, light and cold tolerant, Mar-18

Biocontrol

ARS overseas collections' role in, Jan-8

Europe's first program for a weed, Nov/Dec-29
of aflatoxin with benign Aspergillus species, Sep-2, 8
of asian citrus psyllid with wasp, Nov/Dec-4
of black cherry tree with Pythium fungi, Feb-23
of gall wasp in Hawaii with beneficial wasp, Sep-18
of insects with nepetalactone from catnip, Feb-23

Beltsville Agricultural Research Center 100th anniversary, Apr-2, 4

Biofuel production from barley, Nov/Dec-26 from canola, Oct-21 from field pennycress, Nov/Dec-22 Bison, malignant catarrhal fever, Apr-12 Black cherry tree, invasive species in Europe, Feb-23 Blue orchard bee, alternative pollinator to honey bee, Aug-20 Bozoisky II Russian wildrye, Feb-18 Brassica fights apple replant pathogens, Mar-16 Bread

from oats, barley, wheat, Feb-16 gluten-free from corn zein, Nov/Dec-28 Cannia

seed meal to fight apple replant pathogens, Mar-16 winter, alternative crop for Washington State, Oct-21 Catfish

copper sulfate to control lch, fungi in, Oct-11 see-saw device oxygenates eggs, saves water, Oct-7 Cattle

75th anniversary of Line 1 Hereford, Mar-14 causes of and responses to heat stress in, Mar-20 controlling cattle fever ticks, Nov/Dec-18 malignant catarrhal fever, Apr-12 nepetalactone repels stable flies, Feb-23 postfire grazing, Nov/Dec-25 preserving germplasm of, Jan-12 vaccines reduce *E. coli* in calf manure, May/Jun-23 weeds' effect on forage for, Apr-22

Cereal Insects Genetic Resource Library, Jan-16 Chesapeake Bay ARS efforts to clean up, Aug-2, 4, 9, 10, 13, 16

ARS efforts to clean up, Aug-2, 4, 9, 10, 13, keeping nutrients out of, May/Jun-20 Chickens

as animal model for human iron absorption, May/Jun-10 infrared laser to trim beaks of, Aug-26 preserving germplasm of, Jan-12 soft water removes more bacteria from, Feb-23 ventilating broiler houses with attic air, Feb-22

Chickpeas
beet armyworm resistance in, May/Jun-8
fungal biocontrol for fungal disease on, Sep-23
new lines resist beet armyworm larvae, Mar-23
Chocolate pod resistance in snap beans, May/Jun-8
Choptank River, study of pollutants in, Aug-10
Christmas trees, pest control for, Nov/Dec-11
Cinnamon

compounds in protect glial cells, Apr-23
extracts, effect on metabolic syndrome, Jul-16
Citrus, control of flushing in, Nov/Dec-4
Citrus cell lines, faster growth on media, May/Jun-19
Citrus greening, efforts to halt, Nov/Dec-2, 4
Citrus leafminer control via mating disruption, Aug-19
Climate change, effect on weed growth in corn fields, Sep-14
Coconut trees, genetic analysis of ancestry of, Aug-25
Conservation Effects Assessment Project, Aug-10
Coral bean trees, gall wasp control in Hawaii, Sep-18
Corn genomics, database on, Sep-15
Corn-based plastic, improving heat tolerance of, Sep-2, 11
Corn

aflatoxin control in, Sep-2, 8

Bl. corn rootworm resistance to, Sep-12

defatted zein for gluten-free bread, Nov/Dec-28
genes linked to beta-carotene levels in, May/Jun-12

MAGIC process to identify and map useful genes, Sep-7
Nested Association Mapping Population (NAM), Sep-2, 4
organizing and mapping genetic diversity of, Sep-2, 4
photoperiod sensitivity in, Sep-4;
program to broaden genetic base of, Sep-15
pyrolysis converts stover, cobs into bio-oil, biochar, Aug-31
skip-row planting stabilizes yields, Apr-19
sweet, weed management in, Sep-2, 14
western corn rootworm predators, Nov/Dec-14

Cotton

5 tillage practices compared, Jan-23
13 new host plants identified for pests of, Sep-23
benefits of furrow diking, Jan-23
cytokinin boosts yields of during drought, Aug-31
germplasm, ARS collection of, Jan-18
grass hedges for erosion control in, May/Jun-23
reniform nematode resistance in, Jan-4
test of region-specific varieties, Jan-22
Cotton Winter Nursery, 60th anniversary of, Jan-18
Cover crops

cereal rye as, Nov/Dec-17
winter, best for capturing nitrogen loss, Aug-16
Crop production and diversity, Jan-4
Crop residues, decomposition rates of, Mar-23
Cryopreservation
of animal germplasm, Jan-12

of insect germplasm, Jan-16

## D-F

Deer, collaring device controls ticks on, Nov/Dec-18
Dietary Guidelines for Americans, adherence to, Jul-12
DNA markers for resistance genes in barley, Feb-4
Drought tolerance, breeding beans with, May/Jun-8
E. coli 0157:H7, new vaccines, May/Jun-23
Echinacea root metabolites help identify species, Mar-22
Epigenetics, study of obesity susceptibility in rats, Mar-8
Erosion

grass hedges for controlling, May/Jun-23 wave-breaking device controls on reservoir levees, Jul-22 Ethanol production, Apr-20 European Biological Control Laboratory, Jan-8, Nov/Dec-29 FANTESK, low-fat cake mixes made with, Mar-11

FANTESK, low-fat cake mixes made with, Mar-11
Fertilizer runoff, reducing from farms, Aug-4, 9, 10, 13, 16
Fire ants, microsporidia as biocontrols for, Jan-15
Fish feed

from Alaskan fish byproducts, Oct-16 with low or no fishmeal or fish oil, Oct-8

byproducts, oil, gelatin, fish feeds from, Oct-16 oils, interplay of fatty acids found in, Oct-14 oily, brain benefits of eating, Jul-18 preserving germplasm of, Jan-12 vaccines, Oct-11

Floriculture

potting media from whole lobiolly pine, Aug-28 thidiazuron extends life of some potted plants, Apr-10 ood safety

detecting bone fragments in meat, fish, Oct-23

Lactobacilli spoilage in pickles, Sep-22
reducing Listeria, Shigella on fish fillet, Oct-18
soft water removes more bacteria from poultry, Feb-23
Food technology, laser etching to label produce, Apr-23
Forums

A Systems Approach to Corn, Sep-2 ARS Research Partnerships Are Critical to U.S. Grain Production, Feb-2 At BARC, We've Only Just Begun, Apr-2

Childhood Obesity: Researchers Attack a Nationwide Epidemic, Mar-2 Nutrition and Your Health: ARS Studies Target Nutrition's

Vital Roles, Jul-2 Saving the Bay: It's One of the Things ARS Does Best, Aug-2

Supporting U.S. Aquaculture, Oct-2 Systematics and Collections: Preserving Diversity, Trade, and Our Way of Life, Jan-2 Using Genetic Tools To Combat Hunger, May/Jun-2

ARS collection of entomopathogenic, Jan-10 freeze-drying to preserve, Jan-18 Fungal Culture Collection, Jan-18 Muscodor albus as biobased fumigant, Feb-20 remove furanocomarins from grapefruit juice, Aug-31

# 2010INDEX

### A-C

Afla-Guard, for control of aflatoxin, Sep-8 Air quality

farm and urban pollutants, Aug-10 swine wastewater treatment system improves, Aug-22

Algae dried, as fertilizer, May/Jun-20 faster growth on reformulated media, May/Jun-19 in fish feed. Oct-8

turf scrubbers clean manure effluent, May/Jun-20 Almonds

bee pasturing may provide pollinators for, Aug-20 new self-pollinating variety, Apr-14 replant disease resistance in, Jan-4 Amplose, standardized way to measure in rice, May/Jun-4 Animal germplasm, ARS collections of, Jan-12 Antibiotic breakdown in manure, Feb-22 Antimicrobial Resistance Collection, Jan-11

Antibiotic breakdown in manure, Feb-22 Antimicrobial Resistance Collection, Jan-11 Aphid Biotype and Natural Enemy Collection, Jan-16 Apple replant disease, integrated management of, Mar-16 Apples

coating for sliced, Mar-11
mineral-particle films improve quality of, Mar-23
Muscodor fungus kills codling moth on, Feb-20
Pseudomonas fights replant pathogens, Mar-16
Aquaculture, water-recircularing systems for, Oct-4
ARS Cotton Germplasm Collection, Jan-18
ARS Culture Collection, role of, Jan-10
ARS human nutrition research centers, Mar-2

ARS National Research Programs for Aquaculture, Oct-20 Children's Nutrition, Obesity Prevention, Mar-13 Corn, Sep-17 Genomics and Genetics for Food Security, May/Jun-18

Human Nutrition, Jul-21 Oats and Barley, Feb-17

Systematics and Collections, Jan-19
ARS plant genebanks/collections, Jan-4
Asian citrus psyllid, control of, Nov/Dec-2, 4
Asian lady beetles, nepetalactone from catnip repels, Feb-23
Aspergillus flavus, control of in corn, Sep-2, 8

Australian Biological Control Laboratory, Jan-8 Barley and oat cooperative projects, Feb-2 Barley Coordinated Agricultural Project, Feb-4, 5 Barley

Barley
as bioenergy crop, Feb-2
as winter cover crop in Chesapeake Bay area, Aug-16
bio-oil from byproducts of, Nov/Dec-26
concentrating protein for fish feed, Feb-11
enzyme interactions during germination, Feb-7
genetics of resistance to Fusarium, Feb-4
new breeding lines, Feb-4
reduced mycotoxin production in, Feb-4
screening for stem rust resistance, Feb-8
winter, as feedstock for biofuel/ethanol, Feb-14
Beans, disease resistance, heal tolerance, iron in, May/Jun-8
Bee pastures, wildflowers identified for use in, Aug-20
Beetles, lab identifies foreign, Jan-16
Begonias, light and cold tolerant, Mar-18

Biocontrol

ARS overseas collections' role in, Jan-8

Europe's first program for a weed, Nov/Dec-29
of aflatoxin with benign Aspergillus species, Sep-2, 8
of asian citrus psyllid with wasp, Nov/Dec-4
of black cherry tree with Pythium fungi, Feb-23
of gall wasp in Hawaii with beneficial wasp, Sep-18
of insects with nepetalactone from catnip, Feb-23

Beltsville Agricultural Research Center 100th anniversary, Apr-2, 4

Biofuel production from barley, Nov/Dec-26 from canola, Oct-21 from field pennycress, Nov/Dec-22 Bison, malignant catarrhal fever, Apr-12 Black cherry tree, invasive species in Europe, Feb-23 Blue orchard bee, alternative pollinator to honey bee, Aug-20 Bozoisky II Russian wildrye, Feb-18 Brassica fights apple replant pathogens, Mar-16 Bread

from oats, barley, wheat, Feb-16 gluten-free from corn zein, Nov/Dec-28 Cannia

seed meal to fight apple replant pathogens, Mar-16 winter, alternative crop for Washington State, Oct-21 Catfish

copper sulfate to control lch, fungi in, Oct-11 see-saw device oxygenates eggs, saves water, Oct-7 Cattle

75th anniversary of Line 1 Hereford, Mar-14 causes of and responses to heat stress in, Mar-20 controlling cattle fever ticks, Nov/Dec-18 malignant catarrhal fever, Apr-12 nepetalactone repels stable flies, Feb-23 postfire grazing, Nov/Dec-25 preserving germplasm of, Jan-12 vaccines reduce *E. coli* in calf manure, May/Jun-23 weeds' effect on forage for, Apr-22

Cereal Insects Genetic Resource Library, Jan-16 Chesapeake Bay ARS efforts to clean up, Aug-2, 4, 9, 10, 13, 16

ARS efforts to clean up, Aug-2, 4, 9, 10, 13, keeping nutrients out of, May/Jun-20 Chickens

as animal model for human iron absorption, May/Jun-10 infrared laser to trim beaks of, Aug-26 preserving germplasm of, Jan-12 soft water removes more bacteria from, Feb-23 ventilating broiler houses with attic air, Feb-22

Chickpeas
beet armyworm resistance in, May/Jun-8
fungal biocontrol for fungal disease on, Sep-23
new lines resist beet armyworm larvae, Mar-23
Chocolate pod resistance in snap beans, May/Jun-8
Choptank River, study of pollutants in, Aug-10
Christmas trees, pest control for, Nov/Dec-11
Cinnamon

compounds in protect glial cells, Apr-23
extracts, effect on metabolic syndrome, Jul-16
Citrus, control of flushing in, Nov/Dec-4
Citrus cell lines, faster growth on media, May/Jun-19
Citrus greening, efforts to halt, Nov/Dec-2, 4
Citrus leafminer control via mating disruption, Aug-19
Climate change, effect on weed growth in corn fields, Sep-14
Coconut trees, genetic analysis of ancestry of, Aug-25
Conservation Effects Assessment Project, Aug-10
Coral bean trees, gall wasp control in Hawaii, Sep-18
Corn genomics, database on, Sep-15
Corn-based plastic, improving heat tolerance of, Sep-2, 11
Corn

aflatoxin control in, Sep-2, 8

Bl. corn rootworm resistance to, Sep-12

defatted zein for gluten-free bread, Nov/Dec-28
genes linked to beta-carotene levels in, May/Jun-12

MAGIC process to identify and map useful genes, Sep-7
Nested Association Mapping Population (NAM), Sep-2, 4
organizing and mapping genetic diversity of, Sep-2, 4
photoperiod sensitivity in, Sep-4;
program to broaden genetic base of, Sep-15
pyrolysis converts stover, cobs into bio-oil, biochar, Aug-31
skip-row planting stabilizes yields, Apr-19
sweet, weed management in, Sep-2, 14
western corn rootworm predators, Nov/Dec-14

Cotton

5 tillage practices compared, Jan-23
13 new host plants identified for pests of, Sep-23
benefits of furrow diking, Jan-23
cytokinin boosts yields of during drought, Aug-31
germplasm, ARS collection of, Jan-18
grass hedges for erosion control in, May/Jun-23
reniform nematode resistance in, Jan-4
test of region-specific varieties, Jan-22
Cotton Winter Nursery, 60th anniversary of, Jan-18
Cover crops

cereal rye as, Nov/Dec-17
winter, best for capturing nitrogen loss, Aug-16
Crop production and diversity, Jan-4
Crop residues, decomposition rates of, Mar-23
Cryopreservation
of animal germplasm, Jan-12

of insect germplasm, Jan-16

## D-F

Deer, collaring device controls ticks on, Nov/Dec-18
Dietary Guidelines for Americans, adherence to, Jul-12
DNA markers for resistance genes in barley, Feb-4
Drought tolerance, breeding beans with, May/Jun-8
E. coli 0157:H7, new vaccines, May/Jun-23
Echinacea root metabolites help identify species, Mar-22
Epigenetics, study of obesity susceptibility in rats, Mar-8
Erosion

grass hedges for controlling, May/Jun-23 wave-breaking device controls on reservoir levees, Jul-22 Ethanol production, Apr-20 European Biological Control Laboratory, Jan-8, Nov/Dec-29 FANTESK, low-fat cake mixes made with, Mar-11

FANTESK, low-fat cake mixes made with, Mar-11
Fertilizer runoff, reducing from farms, Aug-4, 9, 10, 13, 16
Fire ants, microsporidia as biocontrols for, Jan-15
Fish feed

from Alaskan fish byproducts, Oct-16 with low or no fishmeal or fish oil, Oct-8

byproducts, oil, gelatin, fish feeds from, Oct-16 oils, interplay of fatty acids found in, Oct-14 oily, brain benefits of eating, Jul-18 preserving germplasm of, Jan-12 vaccines, Oct-11

Floriculture

potting media from whole lobiolly pine, Aug-28 thidiazuron extends life of some potted plants, Apr-10 ood safety

detecting bone fragments in meat, fish, Oct-23

Lactobacilli spoilage in pickles, Sep-22
reducing Listeria, Shigella on fish fillet, Oct-18
soft water removes more bacteria from poultry, Feb-23
Food technology, laser etching to label produce, Apr-23
Forums

A Systems Approach to Corn, Sep-2 ARS Research Partnerships Are Critical to U.S. Grain Production, Feb-2 At BARC, We've Only Just Begun, Apr-2

Childhood Obesity: Researchers Attack a Nationwide Epidemic, Mar-2 Nutrition and Your Health: ARS Studies Target Nutrition's

Vital Roles, Jul-2 Saving the Bay: It's One of the Things ARS Does Best, Aug-2

Supporting U.S. Aquaculture, Oct-2 Systematics and Collections: Preserving Diversity, Trade, and Our Way of Life, Jan-2 Using Genetic Tools To Combat Hunger, May/Jun-2

ARS collection of entomopathogenic, Jan-10 freeze-drying to preserve, Jan-18 Fungal Culture Collection, Jan-18 Muscodor albus as biobased fumigant, Feb-20 remove furanocomarins from grapefruit juice, Aug-31

Gene promoters for barley resistance to Fusarium, Feb-4 Genetic studies on common bean, May/Jun-10 corn, May/Jun-12

improving crops and livestock, May/Jun-2 potatoes, May/Jun-14, 22

rice, May/Jun-4 wheat, May/Jun-11

Genetics

DNA markers in oats for valued traits. Feb-12 gene-silencing technique to study plant aging, Apr-10 Line 1 Hereford cattle breeding program, Mar-14, MAGIC technique, Sep-7

pregnant rats' weight affects pups' weight, Mar-8 recombination in the corn chromosome, Sep-4 virus-induced gene-silencing technique in plants, Apr-10

Genotyping of barley breeding lines, Feb-4 Geraniums, paralytic compounds isolated from, Mar-18 Germplasm collections, purpose, value of, Jan-2 Germplasm Enhancement of Maize project, Sep-2, 15 Germplasm Resources Information Network, Jan-4, 19 Germplasm, woody ornamental, conserving, Nov/Dec-29 GIS software to monitor winter cover crops, Aug-16 Glycerol, utilization of, Nov/Dec-22

Grain, suction vs. pressure aeration in storage bins, Aug-18 Grapefruit juice, fungi removes furanocomarins from, Aug-31 Grapes, Muscodor fungus kills Botrytis mold on, Feb-20 Grasses, cultivars to help damaged rangelands, Feb-18 Grasshoppers, microsporidia as biocontrols for, Jan-15 Hemlocks, resistance to woolly adelgids, Nov/Dec-20 Herbicides in Choptank River, Aug-10

Hops affect ammonia-producing rumen bacteria, Apr-18 Horses, imidocarb dipropionate for babesiosis in, Apr-23 Horticulture

begonia and geranium research, Mar-18 WholeTree potting media from loblolly pine, Aug-28 Human nutrition

and disease prevention, Jul-2, 21 adult calcium needs, Jul-10 ARS-developed healthier snacks, Mar-11 benefits of reducing trans fat intake, Jul-12 chromosome 13 and blood glucose levels, Jul-16 diabetes-prevention video game, Jul-17 factors affecting bone health, Jul-10 factors affecting brain health, Jul-18

factors affecting cancer, Jul-4, 6 factors affecting diabetes, Jul-16 factors affecting eye health, Jul-7

factors affecting heart health, Jul-12 factors affecting immunity, Jul-8

fatty acylcarnitines as diabetes biomarkers, Jul-16 Food, Fun, and Fitness Internet Program for Girls, Mar-5

interplay of CLA, DHA, EPA fatty acids, Oct-14 lactose intolerance in girls, Jul-10 links between diet and chronic disease, Jul-2 model predicts vitamin D needs Jul-8

new body-composition charts for kids, Mar-6 nutrients protect against macular degeneration, Jul-7 omega-3 fatty acids, health effects of, Jul-7, 18 parents' feeding styles affect kids' BMI, Mar-6

plant sterols and heart health, Jul-12 reducing students' dietary intake of fat, Oct-23 soy isoflavones and bone loss, Jul-10 weight-bearing exercise and bone loss, Jul-10

weight-gain predictors in Hispanic kids, Mar-10

weight-management program for Hispanic kids, Mar-4 zinc and immunity in elderly, Jul-8

Insect control microsporidia as biocontrol, Jan-15 pheromones for leafminer mating disruption, Aug-19 spray rates/droplet sizes for corn earworm, Apr-22 suction vs. pressure aeration in grain bins, Aug-18

Invasive species

cheatgrass control, Aug-30, Sep-23 search for biocontrols overseas, Jan-8 Invertebrate germplasm, ARS collections of, Jan-16 Japanese beetles, geranium compound may control, Mar-18

L-O

Lentils, new Essex variety released, May/Jun-8 Maize Genomics and Genetics Database, Sep-15 Malignant catarrhal fever virus, life cycle of, Apr-12 Manure

algal turf scrubbers remove nutrients from, May/Jun-20 antibiotic breakdown in, Feb-22

disk injectors, reduce nutrient runoff, emissions, Aug-4, 9 management system for swine producers, Aug-22 Microbe collections, values, uses of, Jan-10

Mushrooms, button, immune-enhancing compounds in, Jul-8 National Agricultural Library resources and websites on

aquaculture, Oct-20 corn, Sep-16 nutrition and health, Jul-15

oats, barley, wheat, Feb-16 obesity, Mar-12

world hunger, food security, May/Jun-17 National Animal Germplasm Program, Jan-12 National Antimicrobial Resistance Monitoring System, Jan-11 National Cotton Variety Test 50th anniversary, Jan-22 National Entomological Collection, Jan-16 National Rhizobium Germplasm Resource Collection, Jan-10

National School Lunch Program, Oct-23 Nematodes, Jan-4, 7

Nitrate levels in Choptank River, Aug-10 Nitrogen, removing from manure, May/Jun-20 Nutrient/fertilizer runoff, reducing, Aug-4, 9, 10, 13, 16 Oat and barley cooperative projects, Feb-2 Oats

benefits of avenanthramides in, Feb-10, 15 crown rust resistance, Feb-13, 15 DNA markers for valued traits in, Feb-12

P-S

Peanuts

dark-roasting raises antioxidants in, May/Jun-23 heat/drought tolerance in, Jan-20 irrigation and tillage of, Jan-20

Petunias, gene-silencing technique to study aging in, Apr-10 Phosphorus

gypsum-filled trenches capture runoff of, Aug-4 levels in Choptank River, Aug-10 removing from manure, May/Jun-20 Phytochemicals, effects of, Jul-4, 6

Phytophthora infestans, genes involved in infection, Mar-23 Plant culture media, new way to formulate, May/Jun-19 Plant defense, hypersensitive response as indication of, Sep-7 Plant fiber HPMC lowers cholesterol in hamsters, Feb-16 Plant germplasm, ARS collections of, Jan-4 Potatoes, potato germplasm

5 new breeding lines resist disease, Aug-31 Muscodor fungus kills tuber moth on, Feb-20 origin of Neo-Tuberosum germplasm, May/Jun-22 several new varieties with desirable traits, May/Jun-14 with resistance to late blight, Verticillium, May/Jun-16 Poultry litter applicator injects manure below ground, Aug-9 Pseudomonas bacteria fight apple replant pathogens, Mar-16

postfire grazing, Sep-23, Nov/Dec-25 plants for revegetating, restoring, Feb-18

Remote sensing LiDAR, SAR to map forested wetlands, Aug-13 monitoring cover crop performance with, Aug-16 Renewable energy, solar and wind power, Aug-30 Rhizobium, collection of, Jan-10 Rice blast, resistance genes in rice, May/Jun-4

breeding for yield, disease resistance, May/Jun-4 brown, whole-grain health claim, cooking time of, Apr-16 Golden Rice-2, May/Jun-4

Rust resistance, breeding beans with, May/Jun-8 Rye cover crops

best time to roll, Nov/Dec-17

for winter in Chesapeake Bay area, Aug-16 Sagebrush, grazing and postfire recovery, Nov/Dec-25 Salmon, smoked, model predicts Listeria control on, Oct-18 Sheath blight, resistance genes in rice, May/Jun-4

barber pole worm control in. Jul-23 role in transmission of malignant catarrhal fever, Apr-12 springtime grazing for leafy spurge control, Apr-23 tests for ovine progressive pneumonia virus, Apr-12 Silverleaf nightshade, biocontrol project for, Nov/Dec-29

constructed, Nov/Dec-8 measuring mycorrhizal fungi in, Nov/Dec-27 new way to measure CO, in, Nov/Dec-27 reducing arsenic levels from poultry production, Aug-4 Sorghum, skip-row planting stabilizes yields, Apr-19 South American Biological Control Laboratory, Jan-8 Soybeans, Phomopsis seed decay resistance, Nov/Dec-28 Stable flies, nepetalactone from catnip repels, Feb-23 Strawberry phytochemicals kill leukemia cells, Jul-6

mother's stress raises offspring's cortisol levels, Aug-26 preserving germplasm of, Jan-12 tryptophan-enriched diet reduces aggression in, Sep-23 vitamin C, beta-glucan enhance piglets' immunity, Aug-26 wastewater treatment system improves health of, Aug-22

Tannins, role and benefits of in soil, Nov/Dec-12 Trout, breeding for resistance to cold-water disease in, Oct-11 Turfgrass, constructed soils and, Nov/Dec-8 Turkeys, Bordetella hinzii causes disease in, Jan-23 Ua99 stem rust

screening U.S. wheat for resistance, Feb-8 summary of ARS research on, May/Jun-11

U.S. National Arboretum, Nov/Dec-20, 24

U.S. National Fungus Collections, Jan-10 U.S. National Parasite Collection, Jan-15

U.S. National Plant Germplasm System, Jan-6 U.S. Wheat and Barley Scab Initiative, Feb-2, 4, 17

Water quality activated carbons from almond shells, Apr-14 Lactobacilli may degrade azo dyes, Sep-22 rain gardens and, Nov/Dec-8

restoring in Chesapeake Bay, Aug-2, 4, 10, 13, 16 subsurface contaminant transport model refined, Apr-19 testing oil-dispersant technology, Sep-22

Watershed data, STEWARDS online database of, Jan-23 Weed calculator predicts impact of weeds on forage, Apr-22 Weed management in sweet corn, Sep-14 Western corn rootworm

predators of, Nov/Dec-14

resistance to Bt corn, crop rotations, Sep-12 Western juniper, winter burning reduces cheatgrass, Aug-30 Wetlands, forested, detecting water flow in, Aug-10, 13 Wheat

as winter cover crop in Chesapeake Bay area, Aug-16 cover crops fight apple replant pathogens, Mar-16 Fusarium head blight resistance in Asian lines of, Apr-9 hard winter varieties for eastern U.S., May/Jun-23 Muscodor fungus kills Tilletia spores on, Feb-20 screening for stem rust resistance, Feb-8 straw as ethanol feedstock, Apr-20 summary of ARS Ug99 stem rust research, May/Jun-11 Winter Wheat Stem Rust Resistance Nursery, Feb-8

WholeTree, potting media from loblolly pine, Aug-28